HTML Contd

In this topic, we will be learning 4 new HTML elements namely, `<div>`, `<span>`, `<textarea>`, and `<table>`.

`<div>` element

The `<div>` tag creates a division or a section in an HTML document. It creates a block container element that makes it easy to style the elements inside by using the `id` attribute or manipulate using JavaScript.

```
<div id="button-group">
    <button>Like</button>
    <button>Comment</button>
    <button>Subscribe</button>
</div>

<div id="button-group-2">
    <img src="hello.png">
</div>
```

The HTML document above will result in:

`<span>` element

The `<span>` tag creates an inline container element used to to target a part of a text or document. Just like `<div>`, `<span>` makes it easy to style the elements targetted by using the `id` attribute or manipulate using JavaScript.
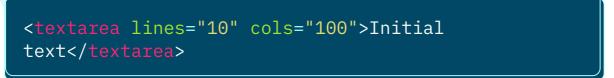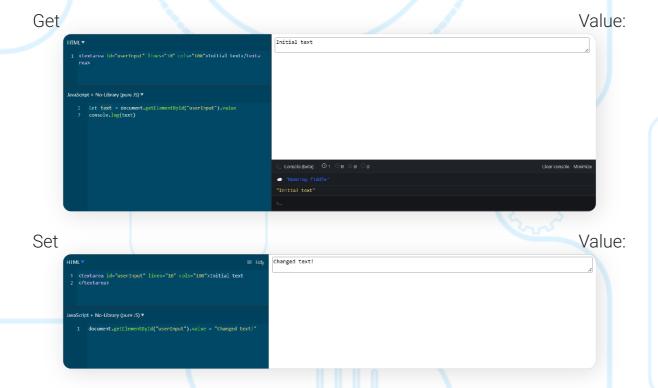
My mother has blue eyes.

`<textarea>` element

The `<textarea>` tag creates a text area that can hold unlimited number of characters. The size of the text area is specified by the `lines` and `cols` attributes. For example,

```
<textarea lines="10" cols="100">Initial
text</textarea>
```

will result in:

You can **get** or **set** the value in JavaScript by using `textAreaElement.value` function. For example,

Get Value:

Set Value:

`<table>` element

Each HTML table consists of:

- **one** `<table>` element, containing

```
- a `<thead>` element to group header rows in an
HTML table and a `<tbody>` element to group the body
content in an HTML table, each containing

    - one or more `<tr>` elements which defines a
table row, containing

        - `<th>` elements representing a header cell
or `<td>` elements representing a standard data
cell.
```

Header Of A Table

```html
<table>
    <thead>
        <tr>
            <th>First Name</th>
            <th>Last Name</th>
        </tr>
    </thead>
</table>
```

This creates a table with one header row and two header columns, each specified by the `<th>` tag:

```
HTML ▼                              ≡ Tidy     First Name Last Name

1  <table>
2      <thead>
3          <tr>
4              <th>First Name</th>
5              <th>Last Name</th>
6          </tr>
7      </thead>
8  </table>
```

Body Of A Table

```html
<table>
    <thead>
        <tr>
            <th>First Name</th>
            <th>Last Name</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>Princess</td>
            <td>Carolyn</td>
        </tr>
        <tr>…</tr>
    </tbody>
</table>
```

Within the `<tbody>` element, a row is added to the table by using the `<tr>` tag. We defined two `<td>` elements within the `<tr>` element to create two data cells in the table row:

```html
HTML ▼

 1  <table>
 2      <thead>
 3          <tr>
 4              <th>First Name</th>
 5              <th>Last Name</th>
 6          </tr>
 7      </thead>
 8      <tbody>
 9          <tr>
10              <td>Princess</td>
11              <td>Carolyn</td>
12          </tr>
13          <tr>…</tr>
14      </tbody>
15  </table>
```

…
First Name Last Name
Princess   Carolyn

Sentinel